

# 6250 Cryostat Microtome



# 01 Reliable section quality Precise mechanical movement

## 1. Uniform section quality

Driven by a precise motor, the instrument can function accurately thus produce uniform section.

## 2. Heavy duty operation

Durable motion guide rail makes it easy to deal with multiple tasks.

## 3. Applicable for all kinds of tissues

Universal adjustable specimen discs, works for finding perfect section angle for small tissues like kidney tissue.

## 4. Anti-sticking hammer

The cooling hammer is coated with an anti-sticking layer which prevents the specimen from sticking.



Hand wheel with lock



Specimen clamp



Slide placement area



## 02 High efficiency



### 1. Visualized operation

Large color touch screen, makes visual stroke scale and operation visualized and easier.

### 2. High-capacity

With a large freezing plate, 20 specimens can be frozen per operate.

### 3. Qualified sectioning technique

The high-quality blade holder, adapts to both high and low profile, with unique anti-seize coating and arc designation, reduces trembling during sectioning thus benefits the continuously sectioning.

### 4. Innovative Anti-roll

Anti-roll plate designed with clamp which can hold at any position could function flexibly.

### 5. Sleep mode

The system supports presetting working time, switch from sleep mode to working mode automatically on time.

Color touch screen



Numbered freezing plates



Anti-roll plate



# 03 Smart temperature control system provides an ideal temperature for your specimens

## 1. Powerful compressor

Continuous sectioning is made possible due to the quality compressor, which keeps the chamber and plate under stable conditions.

## 2. Patented smart temperature algorithm

Chamber temperature is kept cool in assurance of many accurate temperature sensors and 2 peltier elements.

## 3. Anti-sticking

The patented technology design of freezing plate ensures no frost are formed during freezing and no specimen is stick to the plate at the same time.

## 4. Rapid cooling peltier stations

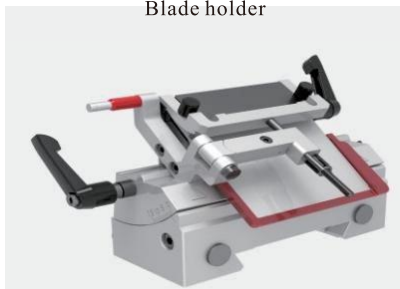
With the rapid cooling peltier stations, the temperature can rapidly reach and stabilize around  $-55^{\circ}\text{C}$  to  $-65^{\circ}\text{C}$ .



Anti-frost glass door



Blade holder



Rapid cooling peltier stations



# 04 Innovative design we care for you

## 1. Disinfection

The UV lamp allows the instrument to disinfect itself.(scheduled or manual).

## 2. Clear sight

The glass door is heated and prevent frost to build up.

## 3. Sorting specimens

Specimens can be sorted in numerical order.

## 4. Defrost timer

A defrost time could be set to work at night only for 15 minutes.

## 5. Innovative Drying button

The instrument has a rapid drying system which saves the time of naturally drying the condensate water in the chamber.

## 6. Unique concept

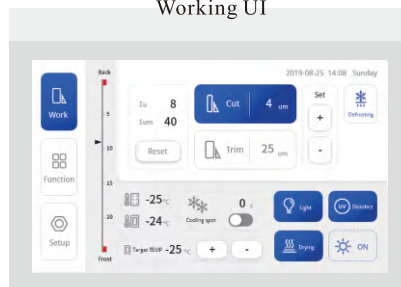
The one-time injected, continuous mold of the cryostat makes it easy to maintain and clean.



UV disinfection



Working UI



Reservation UI



# Technical Parameter

## 6250 Cryostat Microtome

Section thickness	1 $\mu$ m~100 $\mu$ m
Trimming thickness	1 $\mu$ m~600 $\mu$ m
Retraction	0 $\mu$ m ~ 200 $\mu$ m
Increment speed	300 $\mu$ m/s ( $\pm$ 10%) , 900 $\mu$ m/s ( $\pm$ 10%)
Chamber temp	-35 $^{\circ}$ C ~ +40 $^{\circ}$ C
Freezing plate temp	Minimum temperature -40 $^{\circ}$ C ( $\pm$ 5 $^{\circ}$ C)
Number of freezing plates	18pcs
Rapid cooling Peltier Stations	2pcs, Minimum temperature -60 $^{\circ}$ C ( $\pm$ 5 $^{\circ}$ C)
Size (with handwheel)	780mm*700mm*1280mm
Weight	140kg
Nominal power	1200VA
Voltage & frequency	AC 220V~240V 50Hz/60Hz AC 110V~127V 60Hz



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